

Message

From: Andrew A Gremos [agremos@ramboll.com]
Sent: 2/4/2022 1:28:32 PM
To: Ohl, Matthew [ohl.matthew@epa.gov]
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Subject: MW-28 Area Supplemental Sampling Activities
Attachments: Fig. 6_Proposed Boring Locations.pdf; REH Report-Relocation Pan_Third Site-Zionsville IN.pdf

Matt,

The following is a summary of recent additional MW-28 area supplemental sampling activities at Third Site. The EW-5 pump test activities were initiated during the week of January 24, however, were unable to be completed due to the conveyance line from Third Site to ECC being frozen. In preparation for the pump test, the extraction wells were shut off on January 24 in order to allow for at least three days of time for equilibrium conditions to be established per the Work Plan. After the 3 days, the synoptic gauging event and camera survey of EW-5 were conducted on January 27. During the camera survey, turbidity within the water column in the well prevented evaluation of the well screen. In general, the well seemed to be in good condition and no obstructions were observed during the camera survey. The contractor is in the process of preparing the final camera survey report. The pump test was initiated on January 28, and after about 30-40 minutes during the first step, EW-5 shut down due to an alarm in Tank T-11. The tank was unable to discharge due to the conveyance line from Third Site to ECC being frozen. The line was still frozen as of yesterday (Feb 2) morning and current cold temperatures may prevent it from thawing out in the coming days. We have tentatively rescheduled the pump test for February 28, weather permitting.

On January 31-February 1, the soil cores were completed for borings DP-23, DP-24, DP-26, and DP-27 in the Plume 2 area, and for borings DP-29, DP-32/TPZ-4, and DP-36/TPZ-5 in the area of US 421. A location map is attached for reference. The soil core for DP-25 was completed in December, and shielding of power lines will be required to install WaterlooAPS DP-28. Of note, the location for DP-29 was altered to be closer to MW-20 per our prior discussions. Samples were collected from the soil cores for VOCs and FOC analysis in accordance with the Work Plan. It is expected that the laboratory results will be provided in approximately two weeks.

The remainder of the field work as part of this investigation is planned for the week of February 28, weather permitting. This includes WaterlooAPS profiling of DP-28 if accessible, and DP-29 through DP-32; re-sampling DP-37 at 45.2'; installation the 3 TPZs; and completion of the EW-5 pump test.

In addition to the above, Ramboll respectfully requests an expeditious review of the 2013 water treatment system relocation plan (see attached) submitted to USEPA in October 2021 so that if feasible this work can be accomplished as early as reasonably practical (subject to weather and supply delays). Discontinued use of the water conveyance lines between Third Site and ECC will help minimize the potential for P&T system downtime related to freezing lines.

Please let us know if you have any questions.

Best Regards

Andrew A Gremos LPG CHMM

Principal

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